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=> d his

     FILE 'HCAPLUS' ENTERED AT 07:46:27 ON 03 JUN 2004
L1             1 S US20030232886/PN

     FILE 'REGISTRY' ENTERED AT 07:46:58 ON 03 JUN 2004

     FILE 'HCAPLUS' ENTERED AT 07:47:01 ON 03 JUN 2004
L2               TRA L1 1- RN :       32 TERMS

     FILE 'REGISTRY' ENTERED AT 07:47:01 ON 03 JUN 2004
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L4               STR
L5               SCR 1839 AND 1992 AND 1599
L6               SCR 2043 OR 2039 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 OR 205
L7   (       760)SEA FILE=REGISTRY SSS FUL L4 AND L5 NOT L6
L8               STR
L9            10 SEA FILE=REGISTRY SUB=L7 SSS FUL L8
L10              STR
L11              SCR 1839 AND 1992 AND 1599
L12              SCR 2043 OR 2039 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 OR 205
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L14            6 L13 AND L3

     FILE 'HCAPLUS' ENTERED AT 07:48:38 ON 03 JUN 2004
L15            4 L9 OR L14
                 E OIKAWA M/AU
L16           94 E3,E48
                 E USHIO H/AU
L17          126 E3,E8
                 E KURIMOTO I/AU
L18          109 E3,E6
                 E HIGASHII T/AU
L19           35 E3-4
L20        26838 SUMITOMO CHEM?/CS,PA
L21            3 L15 NOT L16-19

     FILE 'USPATFULL, USPAT2' ENTERED AT 07:52:32 ON 03 JUN 2004
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L23            7 E3,E17
                 E USHIO H/AU
L24           19 E5
                 E KURIMOTO I/AU
L25           37 E5
                 E HIGASHII T/AU
L26           41 E4-5
L27         4267 SUMITOMO CHEM?/CS,PA
L28            0 L22 NOT L23-26

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L29            0 L9 OR L14

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                 E MIYUKI O/AU
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                 E TAKAYUKI H/AU

     FILE 'USPATFULL, USPAT2' ENTERED AT 07:55:35 ON 03 JUN 2004
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check R.N. + Do a broader search

E MIYUKI O/AU
E HIDEKI U/AU
E ISAO K/AU
E TAKAYUKI H/AU

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L30 0 L9 OR L14

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 JUN 2004 HIGHEST RN 688737-01-1
DICTIONARY FILE UPDATES: 2 JUN 2004 HIGHEST RN 688737-01-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

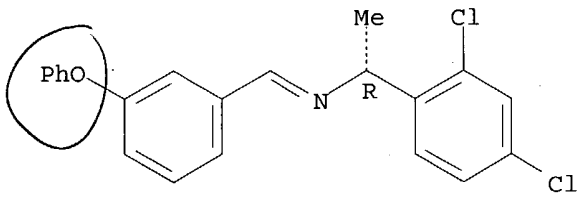
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d ide l14 tot

L14 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN **323179-33-5** REGISTRY
CN Benzenemethanamine, 2,4-dichloro-α-methyl-N-[(3-phenoxyphenyl)methylene]-, (αR)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H17 Cl2 N O
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.



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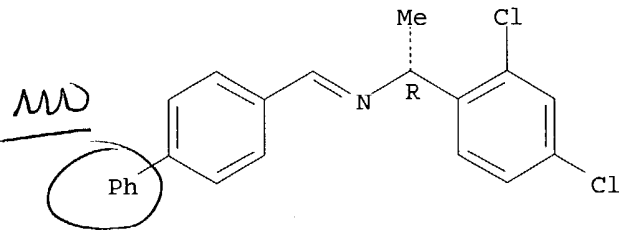
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN **323179-32-4** REGISTRY
CN Benzenemethanamine, N-([1,1'-biphenyl]-4-ylmethylene)-2,4-dichloro-α-methyl-, (αR)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H17 Cl2 N
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.



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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN **323179-31-3** REGISTRY
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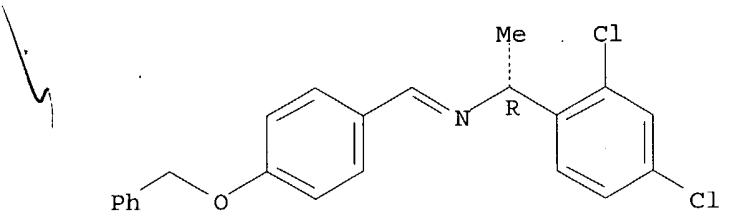
FS STEREOSEARCH
MF C22 H19 Cl2 N O
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Searched by Noble Jarrell 272-2556

L14 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN **323179-30-2** REGISTRY
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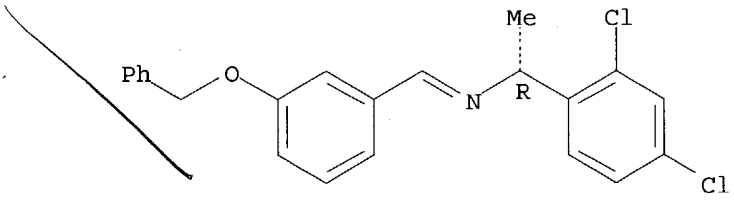
FS STEREOSEARCH
MF C22 H19 Cl2 N O
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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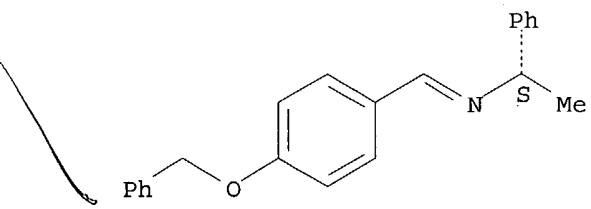
L14 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN **323179-29-9** REGISTRY
CN Benzenemethanamine, α-methyl-N-[[4-(phenylmethoxy)phenyl]methylene]-, (αS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H21 N O
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.



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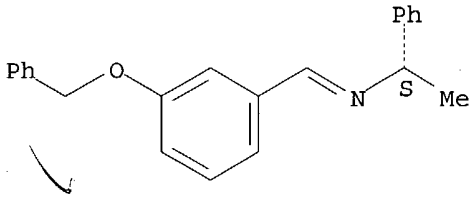
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

RN **323179-28-8** REGISTRY
CN Benzenemethanamine, α-methyl-N-[[3-(phenylmethoxy)phenyl]methylene]-, (αS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H21 N O
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     2 JUN 2004  HIGHEST RN 688737-01-1
DICTIONARY FILE UPDATES:    2 JUN 2004  HIGHEST RN 688737-01-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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L4                STR
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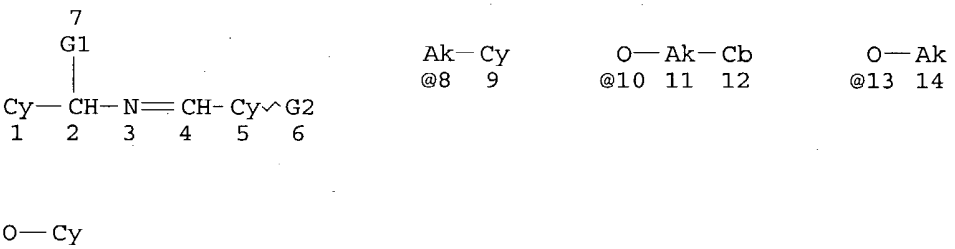


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GGCAT    IS UNS  AT   5
GGCAT    IS UNS  AT   9
GGCAT    IS UNS  AT  12
GGCAT    IS UNS  AT  16
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  16

STEREO ATTRIBUTES: NONE
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L6                SCR 2043 OR 2039 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 O
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L8                STR
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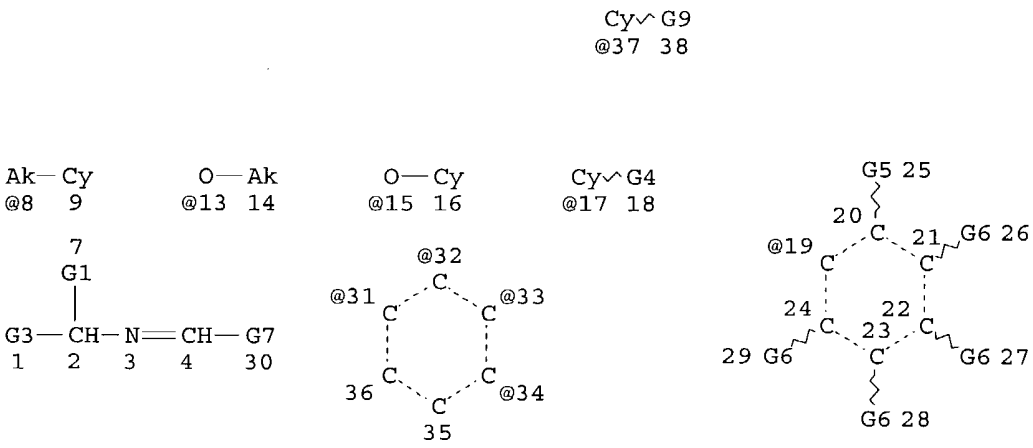

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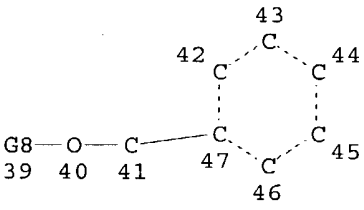

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VAR G4=AK/NO2/X/13
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VAR G6=H/X/NO2/AK
VAR G7=31/37
VAR G8=32/33/34
VAR G9=AK/CY/13/15
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GGCAT IS UNS AT 9
GGCAT IS UNS AT 16
DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS 42

STEREO ATTRIBUTES: NONE
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100.0% PROCESSED 62 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

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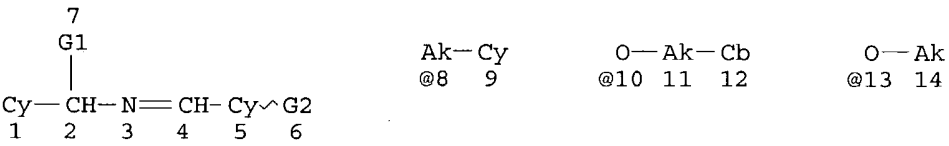
L2 TRANSFER PLU=ON L1 1- RN : 32 TERMS
L3 32 SEA FILE=REGISTRY ABB=ON PLU=ON L2
L10 STR



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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
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R 2054 OR 1918
L13 760 SEA FILE=REGISTRY SSS FUL L10 AND L11 NOT L12
L14 6 SEA FILE=REGISTRY ABB=ON PLU=ON L13 AND L3

=> d his

FILE 'HCAPLUS' ENTERED AT 07:46:27 ON 03 JUN 2004
L1 1 S US20030232886/PN

FILE 'REGISTRY' ENTERED AT 07:46:58 ON 03 JUN 2004

FILE 'HCAPLUS' ENTERED AT 07:47:01 ON 03 JUN 2004
L2 TRA L1 1- RN : 32 TERMS

FILE 'REGISTRY' ENTERED AT 07:47:01 ON 03 JUN 2004
L3 32 SEA L2
L4 STR
L5 SCR 1839 AND 1992 AND 1599
L6 SCR 2043 OR 2039 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 OR 205
L7 (760)SEA FILE=REGISTRY SSS FUL L4 AND L5 NOT L6
L8 STR
L9 10 SEA FILE=REGISTRY SUB=L7 SSS FUL L8
L10 STR
L11 SCR 1839 AND 1992 AND 1599
L12 SCR 2043 OR 2039 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 OR 205
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L14 6 L13 AND L3

FILE 'HCAPLUS' ENTERED AT 07:48:38 ON 03 JUN 2004

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L15            4 L9 OR L14
                 E OIKAWA M/AU
L16           94 E3,E48
                 E USHIO H/AU
L17          126 E3,E8
                 E KURIMOTO I/AU
L18          109 E3,E6
                 E HIGASHII T/AU
L19           35 E3-4
L20        26838 SUMITOMO CHEM?/CS,PA
L21            3 L15 NOT L16-19

     FILE 'USPATFULL, USPAT2' ENTERED AT 07:52:32 ON 03 JUN 2004
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L23            7 E3,E17
                 E USHIO H/AU
L24           19 E5
                 E KURIMOTO I/AU
L25           37 E5
                 E HIGASHII T/AU
L26           41 E4-5
L27         4267 SUMITOMO CHEM?/CS,PA
L28            0 L22 NOT L23-26

     FILE 'HCAOLD' ENTERED AT 07:54:20 ON 03 JUN 2004
L29            0 L9 OR L14

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                 E HIDEKI U/AU
                 E ISAO K/AU
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     FILE 'BEILSTEIN' ENTERED AT 07:56:24 ON 03 JUN 2004
L30            0 L9 OR L14

=> b hcap
FILE 'HCAPLUS' ENTERED AT 07:57:58 ON 03 JUN 2004
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FILE COVERS 1907 - 3 Jun 2004 VOL 140 ISS 23
FILE LAST UPDATED: 2 Jun 2004 (20040602/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

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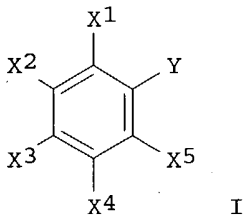
L21 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:77457 HCAPLUS
DN 136:118261
TI Preparation of dibenzylamines, their intermediate imines, and their use in optical resolution
IN Oikawa, Ko; Tooi, Takayuki
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002030050	A2	20020129	JP 2000-218861	20000719
PRAI	JP 2000-218861		20000719		

OS CASREACT 136:118261; MARPAT 136:118261
GI

Same Inventors not prior art



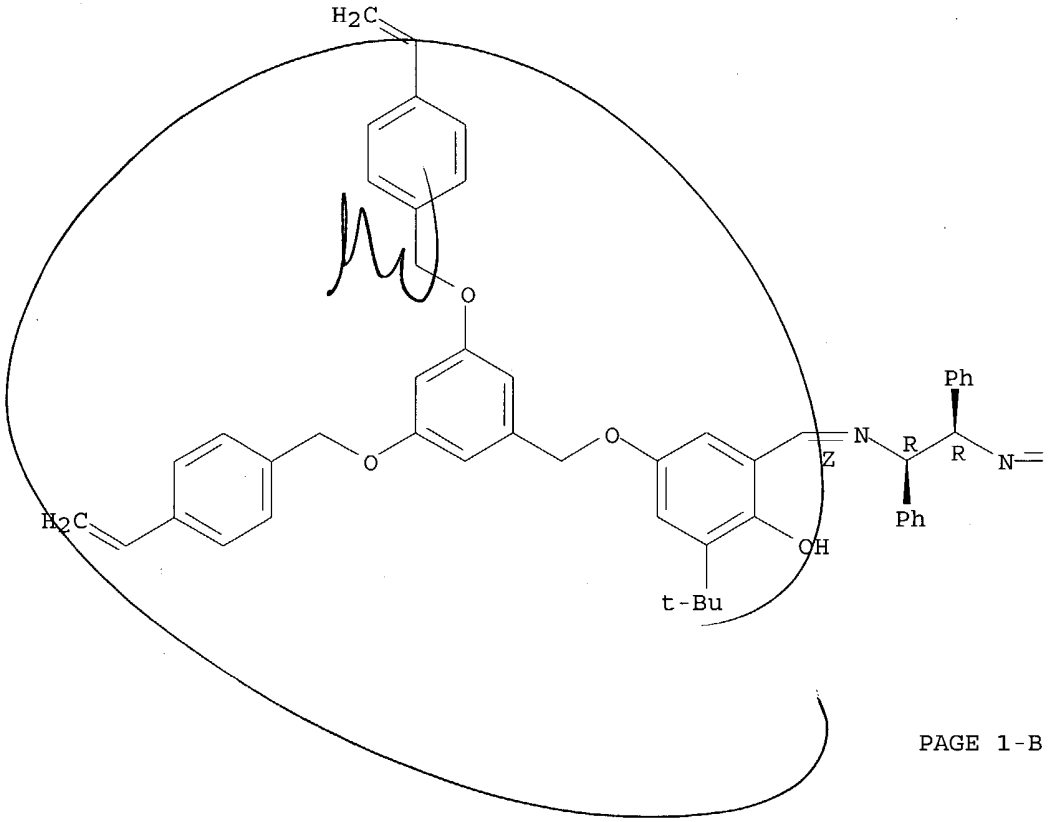
I

AB Racemic or optically active amines I (X1 = halo, lower alkyl; X2-X5 = H, halo, lower alkyl; Y = CHR1NHCH2R2; R1 = lower alkyl; R2 = alkyl-, alkoxy-, aryl-, or aryloxy-substituted aryl) or their salts are prepared by reaction of I (Y = CHR1NH2) with R2CHO (R2 = same as above) and reduction of I (Y = CHR1N:CHR2). (R)-2,4-dichloro-α-methylbenzylamine was treated with 4-phenylbenzaldehyde in tert-BuOMe at room temperature for 1 h and reduced by NaBH4 at room temperature for 16 h to give 72.9% (R)-N-(4-phenylbenzyl)-2,4-dichloro-α-methylbenzylamine, which was mixed with racemic 3,3,3-trifluoro-2-hydroxy-2-methylpropionic acid to give diastereomer salt with 86% ee.

IT **323179-32-4P 323179-33-5P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of dibenzylamines, their intermediate imines, and their use in optical resolution)

IT **323179-32-4P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic

PAGE 1-A



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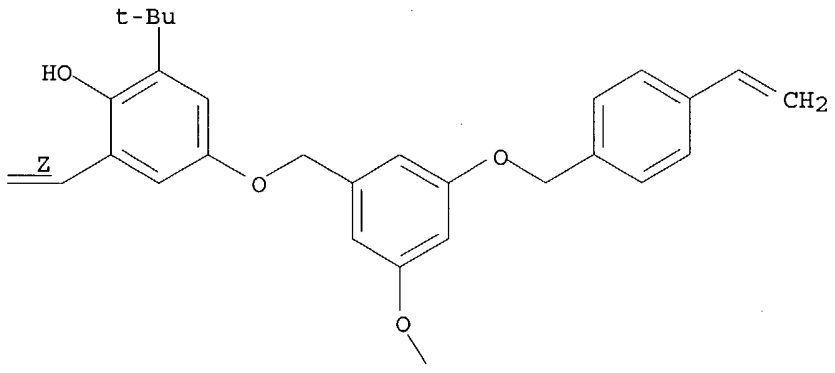
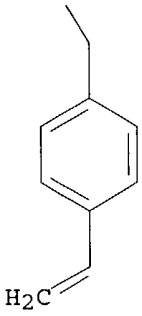


PAGE 2-B



RE.CNT 82 THERE ARE 82 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:412205 HCAPLUS
DN 127:122047
TI Polymeric catalysts for chemo- and enantioselective epoxidation of olefins: new crosslinked chiral transition metal complexing polymers
AU De, Binod B.; Lohray, Braj B.; Sivaram, Swaminathan; Dhal, Pradeep K.
CS Division Polymer Chemistry, National Chemical Laboratory, Pune, 411 008, India
SO Journal of Polymer Science, Part A: Polymer Chemistry (1997), 35(9), 1809-1818
CODEN: JPACEC; ISSN: 0887-624X
PB Wiley
DT Journal
LA English
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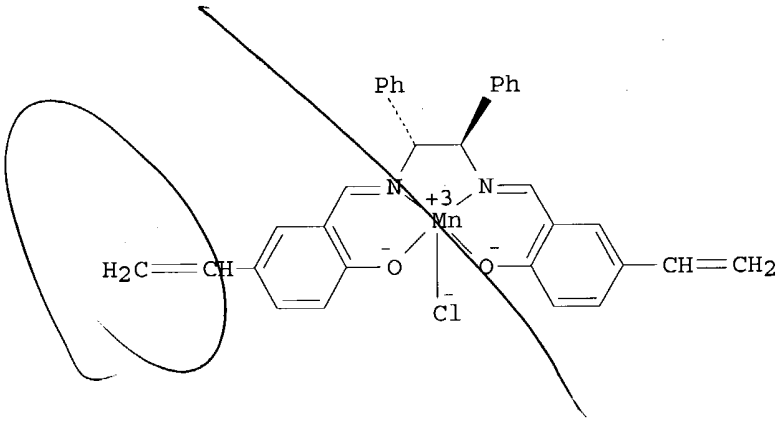

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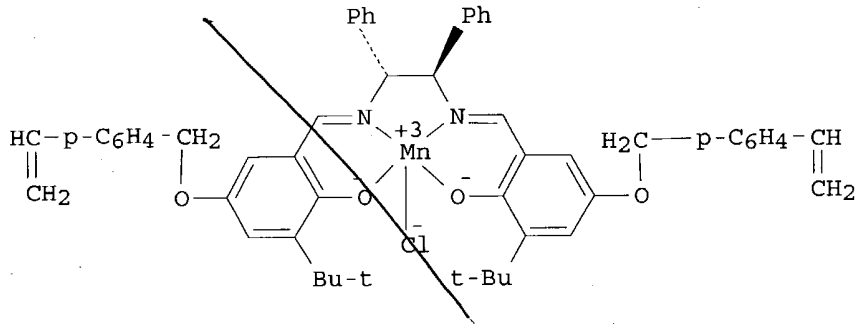


II

AB Polymeric analogs of well-known chiral Mn(III)-salen complexes were synthesized and were used as recyclable catalysts for asym. epoxidn. of olefins. For this purpose two different monomers having the structures I and II were synthesized. These metal complexed chiral monomers were subsequently copolymd. with ethylene glycol dimethacrylate producing insol. crosslinked functional matrixes that possess macroporous morphol. Chemo- and enantioselective catalytic activities of these two polymers were evaluated for epoxidn. of olefins, i.e., styrene, trans-stilbene, dihydronaphthalene and indene. Both polymers catalyzed the epoxidn. of a variety of olefins at room temperature in the presence of iodosylbenzene as the terminal oxidant with yields comparable to the homogeneous system. In terms of their enantioselective catalytic activity, the polymer obtained from II performed better than the polymer obtained from I. Unfortunately, while homogeneous Mn(III)-salen catalyst systems are reported to offer over 80% enantioselectivity, with the present polymeric catalysts, enantioselectivity to a maximum of 30% was observed Unlike homogeneous systems, use of an external nitrogenous donor played a very insignificant role in influencing enantioselectivity.

IT **192803-40-0P 192803-43-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(ligand; in preparation of crosslinked chiral manganese complex polymeric catalysts for chemo- and enantioselective epoxidn. of olefins)

IT **192803-40-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(ligand; in preparation of crosslinked chiral manganese complex polymeric catalysts for chemo- and enantioselective epoxidn. of olefins)

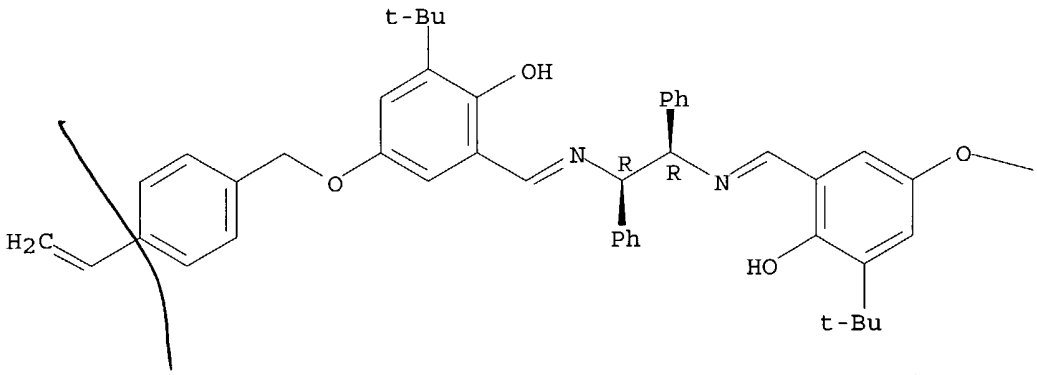
RN 192803-40-0 HCAPLUS

CN Phenol, 2,2'-[(1,2-diphenyl-1,2-ethanediyl)bis(nitrilomethylidyne)]bis[6-

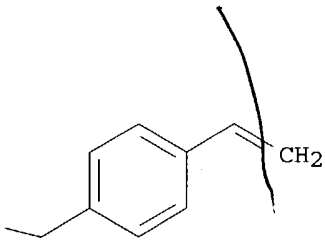
(1,1-dimethylethyl)-4-[(4-ethenylphenyl)methoxy]-, [R-(R*,R*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



PAGE 1-B



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